

- "Ballistocardiography as a technique for comparative physiology," by N. Ty Smith and Eric A. Wahrenbrock, 4:9.
- Ballistocardiography**  
technique for comparative physiology, 4:9.
- Barracuda, great**  
troll fishing results in the Caribbean, 9:35.
- "(The) bay scallop makes its bed of seagrass," Gordon W. Thayer and Harvey H. Stuart, 7:27.
- Bering Sea**  
riddle of soundings resolved, 11:30.
- Bezanson, Allan F.**—see Baker et al.  
—see Peters et al.
- Blood**  
California gray whale  
some physiological parameters of, 4:28.
- Bonnet, James C., Virginia D. Sidwell, and Elizabeth G. Zook.** "Chemical and nutritive values of several fresh and canned finfish, crustaceans, and mollusks. Part II. Fatty acid composition," 2:9.  
—see Sidwell et al.
- Brown, Ausbon, Jr., and Daniel Patlan.** "Color changes in the ovaries of penaeid shrimp as a determinant of their maturity," 7:23.
- Buchanan, Chester C., Richard B. Stone, and R. O. Parker, Jr.** "Effects of artificial reefs on a marine sport fishery off South Carolina," 11:32.
- Burrell, V. G., Jr.** "Thermal bleaching of red algal pigment in shucked oysters," 11:19.
- Cancer borealis**—see Crab, Jonah
- "Capture and harnessing of young California gray whales," by Kenneth S. Norris and Roger L. Gentry, 4:58.
- Caribbean Fishery Development Project** experimental and exploratory shark fishing, 9:67.
- exploratory fishing activities:  
demersal fish resource, 9:6.  
pelagic fish resource, 9:6.  
shark resource, 9:7.
- exploratory tuna longline fishing, 9:61.
- minor miscellaneous exploratory/experimental fishing activities, 9:78.
- results of live bait and pole and line fishing explorations, 9:31.
- snapper**  
handline and longline fishing explorations in the Caribbean, 9:8.
- spiny lobster fishing explorations, 9:43.
- trap fishing explorations for snapper and related species, 9:49.
- troll fishing results, 9:35.
- Catfish (cultured)**  
fatty acid composition, 2:10.
- Catfish, gaftopsail**  
recreational fishery on three piers near St. Petersburg, Florida during 1971, 10:14.
- Catfish, sea**  
recreational fishery on three piers near St. Petersburg, Florida during 1971, 10:14.
- "Chemical and nutritive values of several fresh and canned finfish, crustaceans, and mollusks. Part II. Fatty acid composition," by James C. Bonnet, Virginia D. Sidwell, and Elizabeth G. Zook, 2:9.
- Cheng, Lanna.** "Notes on the ecology of the oceanic insect *Halobates*," 2:1.
- Chionoecetes bairdi**—see Crab, Tanner
- Chislett, Geoffrey R., and Mitsuo Yesaki.** "Spiny lobster fishing explorations in the Caribbean," 9:43.  
—see Wolf and Chislett
- Clam, hard**  
fatty acid composition, 2:13.
- Clam, soft**  
fatty acid composition, 2:13.
- Clam, surf**  
fatty acid composition, 2:13.
- Clams**  
survey of giant, on a western Pacific atoll, 7:17.
- Clark, Robert C., Jr.**—see Joyner et al.
- Cod (Icelandic)**  
fatty acid composition, 2:10.
- Cod, inshore (domestic)**  
fatty acid composition, 2:10.
- Cohen, Daniel M.** "Names of fishes," 12:21.
- "Color changes in the ovaries of penaeid shrimp as a determinant of their maturity," Ausbon Brown, Jr. and Daniel Patlan, 7:23.
- "Composition of the edible portion of raw (fresh or frozen) crustaceans, finfish, and mollusks. 1. Protein, fat, moisture, ash, carbohydrate, energy value, and cholesterol," by Virginia D. Sidwell, Pauline R. Foncannon, Nancy S. Moore, and James C. Bonnet, 3:20.
- "Controlling bone particle content in minced fish muscle," by Max Patashnik, David Miyauchi, and George Kudo, 8:37.
- Coryphæna hippurus**—see Dolphin
- Crab, blue**  
fatty acid composition, 2:12.
- Crab, Jonah**  
New England Fisheries Development Program economic feasibility of harvesting, processing, and marketing, 11:24.
- Crab, king**  
nonpermanent tag for, 7:14.
- Crab, king (body)**  
fatty acid composition, 2:12.
- Crab, red**  
development of fishery in eastern Pacific Ocean, 10:1.
- distribution and abundance in Norfolk Canyon, area fished, 1:31.
- distribution and abundance in Norfolk Canyon, fishing gear, 1:32.
- distribution and abundance in Norfolk Canyon, fishing results, 1:32.
- distribution and abundance in Norfolk Canyon, intermolt stage, 1:34.
- distribution and abundance in Norfolk Canyon, quality, 1:34.
- distribution and abundance in Norfolk Canyon, reproductive aspects, 1:33.
- distribution and abundance in Norfolk Canyon, size, 1:33.
- New England Fisheries Development Program** economic feasibility of harvesting, processing, and marketing, 11:24.
- Crab, tanner**  
effect of crude oil on molting  
acute bioassays with premolt and postmolt, 7:32.
- autotomy of limbs induced by exposure to oil, 7:34.
- molting success, 7:33.
- subacute bioassays involving molting and autotomy of limbs, 7:33.
- toxicity to premolt and postmolt, 7:33.
- nonpermanent tag for, 7:14.
- Crustaceans**  
composition of edible portion of raw (fresh or frozen)  
data on protein, fat, moisture, ash, carbohydrate energy and cholesterol, 3:21.
- total fat content, 2:9.
- Curran, Michael P., and William M. Asher.** "Investigation of blubber thickness in a gray whale using ultrasonography," 4:15.
- Currents**  
seabed drifters used to study, off Kodiak Island, 8:39.
- Dammann, Arthur E.**—see Olsen et al.
- "Deepwater shrimp trapping in the Hawaiian Islands," by Paul Struhsaker and Donald C. Aasted, 10:24.
- "Development of the pelagic red crab (*Gammaridae, Pleuronectes planipes*) fishery in the eastern Pacific Ocean," by Susumu Kato, 10:1.
- "Distribution of seaward-migrating chinook salmon and steelhead trout in the Snake River above Lower Monumental Dam," by Jim Ross Smith, 8:42.
- "Diversification means progress in the Gloucester fishing industry," by Jon C. Rittgers, 3:14.
- Dolphin**  
live bait and pole and line fishing explorations in the Caribbean, 9:31.
- Dolphin fish**  
experimental fishing activities in the Caribbean and adjacent waters, 9:81.
- Drum seining**  
**Puget Sound**  
fishing operations, 12:7.
- fleet composition, 12:10.
- gear components, 12:6.
- history, 12:6.
- operational advantages and disadvantages, 12:9.
- Duffield, Deborah A.** "Fluorescent karyotype of the California gray whale," 4:25.
- Ebel, Wesley J.** "Marking fishes and invertebrates. III. Coded wire tags useful in automatic recovery of chinook salmon and steelhead trout," 7:10.  
—see Park and Ebel
- "Economics of Gulf of Mexico industrial and foodfish trawlers," by Rolf Juhl, 11:39.
- "Effect of draining method on the quality of fish stored in boxes," by John A. Peters, Allan F. Bezanson, and John H. Green, 2:33.
- "Effects of artificial reefs on a marine sport fishery off South Carolina," by Chester C. Buchanan, Richard B. Stone, and R. O. Parker, Jr., 11:32.
- "Effects of Prudhoe Bay crude oil on molting Tanner crabs, *Chionoecetes bairdi*," John F. Karinen and Stanley D. Rice, 7:31.
- Elagatis bipinnulata**—see Runner, rainbow
- Elsner, Robert**—see Wahrenbrock et al.
- Enzymes**  
used in making fish protein concentrates  
biological method, 2:15.
- evaluation runs, 2:17.
- hydrolysis conditions and amino acids, 2:16.
- product uses and costs, 2:18.
- selection of enzymes, 2:16.
- Eschrichtius robustus**—see Whale, California gray
- "Estimated costs, returns, and financial analysis: Gulf of Mexico shrimp vessels," by Wade L. Griffin, Ronald D. Laceywell, and Wayne A. Hayenga, 12:1.
- Euthynnus alletteratus**—see Tuna, little tunny
- Evans, W. E.** "Telemetry of temperature and depth data from a free ranging yearling California gray whale, *Eschrichtius robustus*," 4:52.
- "Exploratory fishing activities of the UNDP/FAO Caribbean Fishery Development Project, 1965-1971: A summary," by Robert S. Wolf and Warren F. Rathjen, 9:1.
- "Exploratory tuna longline fishing in the Caribbean and adjacent waters," by Kyotaro Kawaguchi, 9:61.
- Fable, William A., and Carl H. Saloman.** "The fishery on three piers near St. Petersburg, Florida during 1971," 10:14.
- Favorite, Felix.** "Riddle of Bering Sea soundings resolved," 11:30.
- "Feeding of a captive gray whale, *Eschrichtius robustus*," by G. Carleton Ray and William E. Schevill, 4:31.
- Fiji**  
Japanese skipjack tuna fishery development, 12:16.
- Finfish**  
composition of edible portion of raw (fresh or frozen)  
data on protein, fat, moisture, ash, carbohydrate energy and cholesterol, 3:21.
- fresh  
attitudinal and demographic characteristics for regular and irregular users, 10:31.
- total fat content, 2:9.
- Finfish (canned)**  
total fat content, 2:9.
- Fish, James F., James L. Sumich, and George L. Lingle.** "Sounds produced by the gray whale, *Eschrichtius robustus*," 4:38.
- Fish**  
effect of draining method on quality of, stored in boxes, 2:33.
- introducing new products into seafood markets, 10:10.
- names of  
common names, 12:21.
- scientific names, 12:21.
- Users of common names, 12:22.
- Fish branding**—see Fish marking
- Fish cake**  
new comminuted products, 10:10.
- Fish cake, comminuted**  
report on National Marine Fisheries Service survey, 5:34.

- Fish marking  
brand size and configuration in relation to long-term retention, 7:7.  
coded wire tags useful in automatic recovery, 7:10.  
state of art of fish branding  
coded wire, 7:2.  
cold branding, 7:2.  
tetracycline, 7:2.
- "Fish meal: international market situation and the future," by Jukka Kolhonen, 3:36.
- Fish meal  
international market situation and the future.  
competing products, 3:38.  
demand, 3:36.  
outlook, 3:39.  
prices, 3:37.  
supply, 3:36.
- Fish muscle  
solubilized, as a food binding material, 1:18.
- Fish, frozen  
introducing new products, 10:10.
- Fish, minced  
acceptance survey, 8:35.  
advantages of new market form, 8:36.  
controlling bone particle content in muscle, 8:37.  
future potential, 8:36.  
large minced blocks, 8:34.  
marketing considerations of products  
marketing opportunities, 12:19.  
marketing problems, 12:18.  
tapping the market, 12:19.  
production costs, 8:36.  
small minced blocks, 8:35.  
storage stability, 8:35.
- "Fisheries of the Republic of Korea," by William B. Folsom, 11:1.
- Fisheries, Soviet  
administration, 8:5.  
catch, 8:9.  
education and training, 8:7.  
fishing operations, 8:8.  
fleet, 8:10.  
foreign relations, 8:21.  
future development, 8:21.  
research and development, 8:6.
- Fisherman, commercial  
what it is like  
clothing, 6:14.  
glossary, 6:8.  
how you get paid, 6:35.  
in general, 6:2.  
living in the fo'c'sle, 6:4.  
medical rights and care, 6:30.  
pilot house duty, 6:17.  
responsibilities, 6:26.  
shore leave, 6:36.  
the hold, 6:28.  
working on deck, 6:21.
- Fishing vessel, commercial  
life aboard, 6:1.
- Flores Sea, Makassar Strait  
Japanese skipjack tuna fishery development, 12:16.
- Florida  
recreational fishery on three piers near St. Petersburg during 1971, 10:14.  
St. Petersburg  
recreational fishery on three piers during 1971, 10:14.
- Flounder  
polyethylene trays for fillets, 5:13.
- Flounder, yellowtail  
fatty acid composition, 2:10.
- "Fluorescent karyotype of the California gray whale," by Deborah A. Duffield, 4:25.
- Folsom, William B., "Fisheries of the Republic of Korea," 11:1.  
—, "Japan's frozen shrimp imports: 1973," 8:23.
- Foncannon, Pauline R.—see Sidwell et al.
- Gauglitz, E. J., Jr.—see Teeny et al.
- Gentry, Roger L.—see Norris and Gentry
- Geryon* sp.—see Crab, red
- Ghana  
Japanese skipjack tuna fishery development, 12:16.
- Gilmartin, William G., Richard W. Pierce, and George A. Antonelis, Jr., "Some physiological parameters of the blood of the California gray whale," 4:28.
- Gloucester  
diversification means progress in fishing industry, 3:14.
- Green, John H., "Mushroom culture: A new potential for fishery products," 2:27.  
—see Peters et al.
- Griffin, Wade L., Ronald D. Lacewell, and Wayne A. Hayenga, "Estimated costs, returns, and financial analysis: Gulf of Mexico shrimp vessels," 12:1.
- Haddock, inshore (domestic)  
fatty acid composition, 2:10.
- Haefner, Paul A., Jr., and John A. Musick, "Observations on distribution and abundance of red crabs in Norfolk Canyon and adjacent continental slope," 1:31.
- Hake, Pacific  
fatty acid composition, 2:10.
- Hale, Malcolm B., "Using enzymes to make fish protein concentrates," 2:15.
- Halibut  
fatty acid composition, 2:10.
- Hall, Alice S.—see Teeny et al.
- Halobates*  
notes on the ecology  
distribution, 1:1.  
general biology, 2:1.  
predators, 1:1.  
prey, 1:1.
- "Handline and longline fishing explorations for snapper and related species in the Caribbean and adjacent waters," by Kyotaro Kawaguchi, 9:8.
- Handwork, W. D.—see Lux et al.
- Hastings, James R.—see Ingraham and Hastings
- Hayenga, Wayne A.—see Griffin et al.
- Heiligman, Fred—see King et al.
- Hester, Frank J., "Some considerations of the problems associated with the use of live bait for catching tunas in the tropical Pacific Ocean," 5:1.  
—, and Everet C. Jones, "A survey of giant clams, Tridacnidae, on Helen Reef, a western Pacific atoll," 7:17.
- Heterocarpus laevis*  
deepwater trapping in Hawaiian Islands, 10:24.
- High, William L., "Puget Sound drum seining," 12:5.
- "Home freezing of seafoods," by Melvin E. Waters, 1:1.
- Indonesia  
Japanese skipjack tuna fishery development  
Flores Sea, Makassar Strait, 12:16.  
Kendari (southeastern Celebes), 12:15.  
Sorong (West Irian), 12:15.  
Sumatra, west coast, 12:16.  
Ternate, Kendari, 12:15.
- Ingraham, W. James, Jr., and James R. Hastings, "Seabed drifters used to study bottom currents off Kodiak Island," 8:39.
- "Introducing new products into seafood markets," by Morton Miller, 10:10.
- Invertebrates  
marking  
nonpermanent tag for crabs, 7:14.
- "Investigation of blubber thickness in a gray whale using ultrasonography," by Michael P. Curran and William M. Asher, 4:15.
- Jaeger, Sig—see Larssen and Jaeger
- Japan  
frozen shrimp imports for 1973, 8:23.  
skipjack tuna fishery development  
Indonesia, 12:15.  
Madagascar, 12:16.  
Maldives Islands, 12:17.  
Palau, 12:16.  
Papua New Guinea, 12:13.  
Philippines, 12:16.  
Samoa, 12:16.  
Solomon Islands, 12:15.
- "Japan's frozen shrimp imports: 1973," by William B. Folsom, 8:23.
- "Japanese skipjack tuna fishery development in foreign areas (Katsuo kaihatsu—kaigai katsuo-zuri gyogyo)," Anonymous, 12:12.
- John, Joshua, "Some marketing considerations with respect to minced fish products," 12:18.
- Johnsen, Richard H.—see Sims and Johnsen
- Jones, Everet C.—see Hester and Jones
- Joyner, Timothy, Conrad V. W. Mahnken, and Robert C. Clark, Jr., "Salmon—future harvest from the Antarctic Ocean?" 5:20.
- Juhl, Rolf, "Economics of Gulf of Mexico industrial and foodfish trawlers," 11:39.
- Karinen, John F., and Stanley D. Rice, "Effects of Prudhoe Bay crude oil on molting Tanner crabs, *Chionoecetes bairdi*," 7:31.
- Kato, Susumu, "Development of the pelagic red crab (Galatheaidae, *Pleuroncodes planipes*) fishery in the eastern Pacific Ocean," 10:1.
- Katsuwonus pelamis*—see Tuna, skipjack
- Kavieng (New Ireland)  
Japanese skipjack tuna fishery development, 12:13.
- Kawaguchi, Kyotaro, "Exploratory tuna longline fishing in the Caribbean and adjacent waters," 9:61.  
—, "Handline and longline fishing explorations for snapper and related species in the Caribbean and adjacent waters," 9:8.
- Kendari  
Japanese skipjack tuna fishery development  
Ternate and southeastern Celebes, 12:15.
- Kenny, David W.—see Wahrenbrock et al.
- King, Frederick J., Fred Heiligman, and Eugen Wierbicki, "Solubilized fish muscle as a food binding material," 1:18.
- Kleijn, L. J. K., "Results of experimental and exploratory shark fishing off north-eastern South America," 9:67.
- Kodiak Island, Alaska, 8:39.
- Kolhonen, Jukka, "Fish meal: International market situation and the future," 3:36.
- Konopa, Leonard J.—see Sanchez and Konopa
- Korea  
catch statistics, 11:1.  
coastal catch, 11:4.  
fishermen, 11:14.  
fishery exports, 11:18.  
fleet size, 11:9.  
high-seas catch, 11:2.  
inland fisheries catch, 11:8.  
shallow-sea aquaculture harvest, 11:7.  
whale catch, 11:4.
- Kudo, George—see Patashnik et al.
- Lacewell, Ronald D.—see Griffin et al.
- Larssen, A. K., and Sig Jaeger, "Some ABC's of fo'c'sle living," 6:1.
- Leatherwood, J. S., "A note on gray whale behavioral interactions with other marine mammals," 4:50.  
—, "Aerial observations of migrating gray whales, *Eschrichtius robustus*, off southern California, 1969-72," 4:45.
- Lingle, George L.—see Fish et al.
- Lobster, spiny  
fatty acid composition, 2:12.  
fishing explorations in the Caribbean, 9:43.
- Loligo opalescens*  
potential and status of U.S. food resource, 12:29.
- Loligo pealei*  
potential and status as U.S. food resource, 12:29.
- Longline  
vertical  
for red snapper fishing, 1:7.
- Lopholatilus chamaeleonticeps*—see Tilefish
- Lux, F. E., W. D. Handwork, and W. F. Rathjen, "The potential for an offshore squid fishery in New England," 12:24.
- Mackerel, frigate  
live bait and pole and line fishing explorations in the Caribbean, 9:31.
- Mackerel, Spanish  
recreational fishery on three piers near St. Petersburg, Florida during 1971, 10:14.
- Macrozoarces americanus*—see Ocean pout
- Madagascar  
Japanese skipjack tuna fishery development, 12:16.
- Madang  
Japanese skipjack tuna fishery development, 12:14.
- Mahnken, Conrad V. W.—see Joyner et al.

- Makassar Strait, Flores Sea  
Japanese skipjack tuna fishery development, 12:16.
- Maldiv Islands  
Japanese skipjack tuna fishery development, 12:17.
- Manus  
Japanese skipjack tuna fishery development, 12:14.
- "Marine recreational fishing in Alaska," Anonymous, 3:18.
- "Marking fishes and invertebrates. I. State of the art of fish branding," by Howard L. Raymond, 7:1.
- "Marking fishes and invertebrates. II. Brand size and configuration in relation to long-term retention on steelhead trout and chinook salmon," by Donn L. Park and Wesley J. Ebel, 7:7.
- "Marking fishes and invertebrates. III. Coded wire tags useful in automatic recovery of chinook salmon and steelhead trout," by Wesley J. Ebel, 7:10.
- "Marking fishes and invertebrates. IV. A nonpermanent tag for king crabs, *Paralithodes camtschatica*, and Tanner crabs, *Chionoecetes bairdi*," by Robert M. Meyer, 7:14.
- Maruschak, Gary F.—see Wahrenbrock et al.
- Matsumoto, Walter M., "The skipjack tuna, *Katsuwonus pelamis*, an underutilized resource," 8:26.
- Mattsson, Joel L.—see Sweeney and Mattsson
- Medway, W., "Some coagulation factors in plasma from a California gray whale, *Eschrichtius robustus*," 4:24.
- Mendelsohn, Joseph M., "Minced fish in a new form," 8:34.
- "Menhaden and power plants—a growing concern," by James S. Young, 10:19.
- Menhaden  
kills associated with power plants  
biocides, 10:21.  
cold shock, 10:20.  
entrainment of larval fish and their passage through a condenser system, 10:21  
gas embolism, 10:21  
heat shock, 10:20  
impingement on intake screens, 10:21  
plant design for minimum impact on aquatic organisms, 10:22  
unfavorable public relations, 10:22
- Metabolism  
California gray whale calves, 4:3.  
"(The) Mexican marine sport fisheries," by Aurelio Solorzano, 2:19.
- Mexico  
marine sport fisheries  
billfish resources and areas of fishing, 2:20.  
government agencies involved, 2:19.  
sport fisheries, 2:21.  
sport fishes, 2:20.  
sport fishing tournaments, 2:22.  
their future, 2:22.
- Meyer, Robert M., "Marking fishes and invertebrates. IV. A nonpermanent tag for king crabs, *Paralithodes camtschatica*, and Tanner crabs, *Chionoecetes bairdi*," 7:14.
- Miller, Morton, "Introducing new products into seafood markets," 10:10.
- "Minced fish in a new form," by Joseph M. Mendelsohn, 8:34.
- Minced fish—see Fish, minced
- "Minor miscellaneous exploratory/experimental fishing activities in the Caribbean and adjacent waters," by Robert S. Wolf, 9:78.
- Miyauchi, David—see Patashnik et al.
- Mollusks  
composition of edible portion of raw (fresh or frozen)  
data on protein, fat, moisture, ash, carbohydrate energy value, and cholesterol, 3:21.  
total fat content, 2:9.
- Moore, Nancy S.—see Sidwell et al.
- Morehead, Bruce C., "A report on the National Marine Fisheries Service comminuted fish cake survey," 5:34.
- Murrells Inlet, South Carolina, 11:32.
- "Mushroom culture: A new potential for fishery products," by John H. Green, 2:27.
- Mushroom culture  
New potential for fishery products  
composting and nitrogen supplements, 2:28.  
experimental use of fish solubles as nitrogen supplement, 2:30.  
potential for fish oils, 2:32.
- Musick, John A.—see Haefner and Musick
- "Names of fishes," by Daniel M. Cohen, 12:21.
- National Marine Fisheries Service publications and services, 3:1.  
report on comminuted fish cake survey, 5:34.
- Neal, Don—see Olsen et al.
- "New England Fisheries Development Program," by Warren F. Rathjen, 11:23.
- New England Fisheries Development Program  
crab  
Jonah, 11:25.  
red, 11:25.  
mixed species, 11:28.  
squid  
long-finned, 11:26.  
short-finned, 11:26.
- New Ireland—see Kavieng (New Ireland)
- Norris, Kenneth S., and Roger L. Gentry, "Capture and harnessing of young California gray whales, *Eschrichtius robustus*," 4:58.
- "(A) note on gray whale behavioral interactions with other marine mammals," by J. S. Leatherwood, 4:50.
- "Notes on the ecology of the oceanic insect *Halobates*," by Lanna Cheng, 2:1.
- "Observations on distribution and abundance of red crabs in Norfolk Canyon and adjacent continental slope," by Paul A. Haefner, Jr. and John A. Musick, 1:31.
- "Ocean pout parasites," by Daniel J. Sheehy, Michael P. Sissenwine, and Saul B. Salla, 5:29.
- Ocean pout  
Rhode Island Sound  
parasites of, 5:29.
- O'Connor, John L.—see Sund and O'Connor
- Olsen, David A., Arthur E. Dammann, and Don Neal, "A vertical longline for red snapper fishing," 1:7.
- Oncorhynchus tshawytscha*—see Salmon, chinook
- Oyster  
shucked  
thermal bleaching of red algal pigment, 11:19.
- Oyster (Long Island)  
fatty acid composition, 2:13.
- Oyster (Maryland-Virginia)  
fatty acid composition, 2:13.
- Palau  
Japanese skipjack tuna fishery development, 12:16.
- Pandalirus argus*—see Lobster, spiny
- Papua New Guinea  
Japanese skipjack tuna fishery development  
canning company, 12:14.  
Kavieng (New Ireland), 12:13.  
Manus and Madang, 12:14.  
Rabaul, 12:14.
- Paralithodes camtschatica*—see Crab, king
- Park, Donn L., and Wesley J. Ebel, "Marking fishes and invertebrates. II. Brand size and configuration in relation to long-term retention on steelhead trout and chinook salmon," 7:7.
- Parker, R. O., Jr.—see Buchanan et al.
- "Participation by Panamanian and the U.S. seiners in 1972 tuna fishery of the eastern tropical Atlantic," by Gary T. Sakagawa, 3:10.
- Patashnik, Max, David Miyauchi, and George Kudo, "Controlling bone particle content in minced fish muscle," 8:37.
- Patlan, Daniel—see Brown and Patlan
- Penaeus marginatus*  
deepwater trapping in Hawaiian Islands, 10:24.
- Perch, ocean  
fatty acid composition, 2:10.
- Perch, silver  
recreational fishery on three piers near St. Petersburg, Florida during 1971, 10:14.
- Peters, John A., Allan F. Bezanson, and John H. Green, "Effect of draining method on the quality of fish stored in boxes," 2:33.  
—see Baker et al.
- Philippines  
Japanese skipjack tuna fishery development, 12:16.
- Pierce, Richard W.—see Gilmartin et al.
- "Plastic turf substitute for gravel in salmon incubators," by Jack E. Bailey and Sidney G. Taylor, 10:35.
- Plastic turf—see Turf, plastic
- Pleuroncodes planipes*—see Crab, red
- Pollock  
fatty acid composition, 2:10.
- "Polyethylene trays for flounder fillets," by Daniel W. Baker II, John A. Peters, and Allan F. Bezanson, 5:13.
- "(The) potential for an offshore squid fishery in New England," by F. E. Lux, W. D. Handwork, and W. F. Rathjen, 12:24.
- Prudhoe Bay, Alaska, 7:31.
- "Publications and services of the National Marine Fisheries Service," by J. David Almand, 3:1.
- "Puget Sound drum seining," by William L. High, 12:5.
- Rabaul  
Japanese skipjack tuna fishery development, 12:14.
- Rathjen, Warren F., "New England Fisheries Development Program," 11:23.  
—see Lux et al.  
—see Serchuk and Rathjen  
—see Wolf and Rathjen
- Ray, G. Carleton, and William E. Schevill, "Feeding of a captive gray whale, *Eschrichtius robustus*," 4:31.
- Raymond, Howard L., "Marking fishes and invertebrates. I. State of the art of fish branding," 7:1.
- "(The) recreational fishery on three piers near St. Petersburg, Florida during 1971," by William A. Fable, Jr. and Carl H. Saloman, 10:14.
- Red algae—see Algae, red
- "Reduction of mercury in sablefish (*Anoplopoma fimbria*) and the use of the treated flesh in smoked products," by F. M. Teeny, Alice S. Hall, and E. J. Gauglitz, Jr., 5:15.
- Reefs, artificial  
effects on marine sport fishery off South Carolina  
bottom fishing, 11:35.  
surface fishing, 11:33.
- "(A) report on the National Marine Fisheries Service comminuted fish cake survey," by Bruce C. Morehead, 5:34.
- "Respiration and metabolism in two baleen whale calves," by Eric A. Wahrenbrock, Gary F. Maruschak, Robert Elsner, and David W. Kenny, 4:3.
- Respiration  
California gray whale calves, 4:3.  
"Results of experimental and exploratory shark fishing off northeastern South America," by L. J. K. Kleijn, 9:67.
- "Results of live bait and pole and line fishing explorations for pelagic fishes in the Caribbean," by Donald P. Wagner, 9:31.
- "Results of troll fishing explorations in the Caribbean," by Donald P. Wagner and Robert S. Wolf, 9:35.
- "(A) review of the Indonesian shrimp fishery and its present developments," by M. Unar, 1:21.
- Rhode Island Sound  
ocean pout parasites, 5:29.
- Rice, Stanley D.—see Karinen and Rice
- "Riddle of Bering Sea soundings resolved," by Felix Favorite, 11:30.
- Ritgers, Jon C., "Diversification means progress in the Gloucester fishing industry," 3:14.
- Rockfish  
fatty acid composition, 2:10.
- Runner, rainbow  
live bait and pole and line fishing explorations in the Caribbean, 9:31.

- Sablefish**  
reduction of mercury in and use in smoked products  
hot smoking, 5:16.  
mercury analysis, 5:16.  
mercury distribution in flesh prior to and after cysteine extraction, 5:18.  
preparation of fish tissue and extraction procedures, 5:15.  
reduction of mercury, 5:17.  
removal of organoleptically detectable cysteine, 5:18.  
sensory evaluation of finished smoked products, 5:19.  
total solids and fat, 5:16.  
yield of smoked products, 5:19.
- Saila, Saul B.**—see Sheehy et al.
- Sakagawa, Gary T.**, "Participation by Panamanian and U.S. seiners in 1972 tuna fishery of the eastern tropical Atlantic," 3:10.
- Salmo gairdneri**—see Trout, steelhead
- "Salmon"**—future harvest from the Antarctic Ocean? by Timothy Joyner, Conrad V. W. Mahnken, and Robert C. Clark, Jr., 5:20.
- Salmon**  
Antarctic Ocean, future harvest  
environmental preference, 5:22.  
general characteristics, 5:22.  
seeding the Southern Ocean with salmon, 5:25.  
plastic turf substitute for gravel in incubators, 10:35.
- Salmon, chinook**  
brand size and configuration in relation to long-term retention, 7:7.  
coded wire tags useful in automatic recovery  
adults detected and separated, 7:13.  
tag used in marking migrating juveniles, 7:11.  
distribution of seaward-migrating, in Snake River above Lower Monumental Dam, 8:42.
- Salmon, red (canned)**  
fatty acid composition, 2:11.
- Saloman, Carl H.**—see Fable and Saloman Samoa
- Japanese skipjack tuna fishery development**, 12:16.
- Sanchez, Peter M., and Leonard J. Konopa**, "Attitudinal and demographic characteristics for regular and irregular users of fresh finfish," 10:31.
- Scallops**  
experimental fishing in the Caribbean and adjacent waters, 9:85.
- Scallops, bay**  
abundance varies with density of seagrass, 7:27.  
fatty acid composition, 2:13.
- Scallops, calico**  
fatty acid composition, 2:13.
- Scallops, sea**  
fatty acid composition, 2:13.
- Schevill, William E.**—see Ray and Schevill
- Scorpaenopsis maculatus***—see Mackerel, Spanish
- "Seabed drifters used to study bottom currents off Kodiak Island,"** by W. James Ingraham, Jr. and James R. Hastings, 8:39.
- Seabed drifters**  
used to study currents off Kodiak Island, 8:39.
- Seafood**  
home freezing  
freezing and storing, 1:3.  
packaging, 1:2.  
preparation, 1:2.  
proper use of the frozen product, 1:4.  
selecting, 1:2.  
introducing new products, 10:10.
- Sealy, T. S.**, "Soviet fisheries: A review," 8:5.
- Seine, beach**  
variable-mesh for sampling juvenile salmon capabilities, 2:25.  
fishing technique, 2:25.  
net, 2:23.
- Seining**—see Drum seining
- Serchuk, Fredric M., and Warren F. Rathjen**, "Aspects of the distribution and abundance of the long-finned squid, *Loligo pealeii*, between Cape Hatteras and Georges Bank," 1:10.
- Shark**  
experimental and exploratory fishing off northeastern South America, 9:67.
- Sheehy, Daniel J., Michael P. Sissenwine, and Saul B. Saila**, "Ocean pout parasites," 5:29.
- Shrimp**  
color changes in ovaries as a determinant of maturity  
developing or yellow ovaries, 7:26.  
ripe or nearly ripe ovaries, 7:26.  
undeveloped ovaries, 7:23.
- Japan**  
frozen imports for 1973, 8:23.  
review of the Indonesian fishery  
Arafura Sea, 1:26.  
assessment of the standing stocks, 1:27.  
east coast of Kalimantan, 1:25.  
east coast of Sumatra, 1:22.  
management, 1:29.  
north coast of Java, 1:23.  
source of data, 1:22.  
west and south coasts of Kalimantan, 1:24.
- Shrimp vessels**  
estimated costs, returns, and financial analysis of Gulf of Mexico  
budget analysis, 12:1.  
costs adjusted to spring 1974, 12:3.  
investment analysis, 12:2.
- Shrimp, brown**  
fatty acid composition, 2:12.
- Shrimp, caridean**  
deepwater trapping in Hawaiian Islands  
*Heterocarpus ensifer*, 10:24.  
*Heterocarpus laevis*, 10:24.
- Shrimp, Maine**  
fatty acid composition, 2:12.
- Shrimp, Mexican**  
fatty acid composition, 2:12.
- Shrimp, penaeid**  
deepwater trapping in Hawaiian Islands  
*Penaeus marginatus*, 10:24.
- Shrimp, white Gulf**  
fatty acid composition, 2:12.
- Shrimp, white South Atlantic**  
fatty acid composition, 2:12.
- Sidwell, Virginia D.**—see Bonnet et al.
- , Pauline R. Foncannon, Nancy S. Moore, and James C. Bonnet, "Composition of the edible portion of raw (fresh or frozen) crustaceans, finfish, and mollusks. I. Protein, fat, moisture, ash, carbohydrate, energy value, and cholesterol," 3:21.
- Sims, Carl W., and Richard H. Johnson**, "Variable-mesh beach seine for sampling juvenile salmon in Columbia River estuary," 2:23.
- Sissenwine, Michael P.**—see Sheehy et al.
- "(The) skipjack tuna, *Katsuwonus pelamis*, an underutilized resource,"** by Walter M. Matsumoto, 8:26.
- Smith, Jim Ross**, "Distribution of seaward-migrating chinook salmon and steelhead trout in the Snake River above Lower Monumental Dam," 8:42.
- Smith, N. Ty, and Eric A. Wahrenbrock**, "Ballistocardiography as a technique for comparative physiology," 4:9.
- Snapper**  
handline and longline fishing explorations in Caribbean  
Aruba-Curacao-Bonaire area, 9:28.  
Aves Island area, 9:28.  
bait, 9:11.  
bottom longline fishing, 9:18.  
commercial potential, 9:18.  
continental shelf of South America, 9:28.  
fishing gear, 9:11.  
fishing methods, 9:11.  
handline and mechanical reel fishing, 9:15.  
historical review, 9:9.  
Jamaica south to southwestern waters, 9:20.  
Leeward Islands, 9:25.  
north of Hispaniola to Virgin Islands, 9:23.  
vessels, 9:10.  
Windward Islands, 9:27.  
trap fishing explorations for snapper and related species in the Caribbean and adjacent waters, 9:49.
- Snapper, red**  
fatty acid composition, 2:10.
- fishing**  
vertical/longline for, 1:7.
- Solomon Islands**  
Japanese skipjack tuna fishery development, 12:15.
- Solorzano, Aurelio**, "The Mexican marine sport fisheries," 2:19.
- "Solubilized fish muscle as a food binding material,"** by Frederick J. King, Fred Heiligman, and Eugen Wierbicki, 1:18.
- "Some ABC's of fo'c'sle living,"** by A. K. Larssen and Sig Jaeger, 6:1.
- "Some coagulation factors in plasma from a California gray whale, *Eschrichtius robustus*,"** by W. Medway, 4:24.
- "Some considerations of the problems associated with the use of live bait for catching tunas in the tropical Pacific Ocean,"** by Frank J. Hester, 5:1.
- "Some hematologic observations on the California gray whale,"** by Alfred Zettner, 4:22.
- "Some marketing considerations with respect to minced fish products,"** by Joshua John, 12:18.
- "Some physiological parameters of the blood of the California gray whale,"** by William G. Gilmartin, Richard W. Pierce, and George A. Antonelis, Jr., 4:28.
- Sorong (West Irian)**  
Japanese skipjack tuna fishery development, 12:15.
- "Sounds produced by the gray whale, *Eschrichtius robustus*,"** by James F. Fish, James L. Sumich, and George L. Lingle, 4:38.
- Sounds**  
produced by California gray whale, 4:38.
- South Carolina**  
Murrelets Inlet, 11:32.
- "Soviet fisheries: A review,"** by T. S. Sealy, 8:5.
- Sphyrna barracuda***—see Barracuda, great
- "Spiny lobster fishing explorations in the Caribbean,"** by Geoffrey R. Chislett and Mitsuo Yesaki, 9:43.
- "Squid—its potential and status as a U.S. food resource,"** by Vincent G. Ampola, 12:28.
- Squid**  
long-finned, distribution and abundance between Cape Hatteras and Georges Bank  
bathymetric distribution, 1:14.  
data and techniques, 1:11.  
diel variation in catch, 1:16.  
distribution related to water temperature, 1:15.  
geographic distribution, 1:14.  
seasonal variations in abundance, 1:16.  
potential and status as a U.S. food resource, 12:29.  
potential for offshore fishery in New England  
catch value, 12:25.  
charter operations, 12:24.  
day-night differences, 12:26.  
economic feasibility, 12:27.
- Squid, long-finned**  
New England Fisheries Development Program  
economic feasibility of harvesting, processing, and marketing, 11:26.
- Squid, short-finned**  
New England Fisheries Development Program  
economic feasibility of harvesting, processing, and marketing, 11:26.
- Stone, Richard B.**—see Buchanan et al.
- Struhsaker, Paul, and Donald C. Aasted**, "Deepwater shrimp trapping in the Hawaiian Islands," 10:24.
- Stuart, Harvey H.**—see Thayer and Stuart
- Sumatra**  
Japanese skipjack tuna fishery development on west coast of, 12:16.
- Sumich, James L.**—see Fish et al.
- Sund, Paul N., and John L. O'Connor**, "Aerial observations of gray whales during 1973," 4:51.
- "Surgical attachment of a telemetry device to the dorsal ridge of a yearling California gray whale, *Eschrichtius robustus*,"** by John C. Sweeney and Joel L. Mattsson, 4:20.
- "(A) survey of giant clams, Tridacnidae, on**



- Helen Reef, a western Pacific atoll," by Frank J. Hester and Everett C. Jones, 7:17.
- Sweeney, John C., and Joel L. Mattsson, "Surgical attachment of a telemetry device to the dorsal ridge of a yearling California gray whale, *Eschrichtius robustus*," 4:20.
- Taylor, Sidney G.—see Bailey and Taylor
- Teeny, F. M., Alice S. Hall, and E. J. Gaughitz, Jr., "Reduction of mercury in sablefish (*Anoplopoma fimbria*) and the use of the treated flesh in smoked products," 5:15.
- "Telemetry of temperature and depth data from a free ranging yearling California gray whale, *Eschrichtius robustus*," by W. E. Evans, 4:52.
- Ternate, Kendari
- Japanese skipjack tuna fishery development, 12:15.
- Thayer, Gordon W., and Harvey H. Stuart, "The bay scallop makes its bed of seagrass," 7:27.
- "Thermal bleaching of red algal pigment in shucked oysters," by V. G. Burrell, Jr., 11:19.
- Thunnus albacares*—see Tuna, yellowfin
- Thunnus atlanticus*—see Tuna, blackfin
- Tilfish
- fishing activities in the Caribbean and adjacent waters, 9:78.
- "Trap fishing explorations for snapper and related species in the Caribbean and adjacent waters," by Robert S. Wolf and Geoffrey R. Chislett, 9:49.
- Trawlers, foodfish
- economics of Gulf of Mexico
- catch rate and composition, 11:40.
- economic data of optimum vessel, 11:40.
- income projection of present fleet activities, 11:40.
- level of fishing effort, 11:40.
- vessel characteristics, 11:39.
- industrial
- economics of Gulf of Mexico
- catch rate and composition, 11:41.
- economic data of optimum vessel, 11:41.
- income projection of present fleet activities, 11:42.
- level of fishing effort, 11:41.
- vessel characteristics, 11:41.
- Trout, steelhead
- brand size and configuration in relation to long-term retention, 7:7.
- coded wire tags useful in automatic recovery
- adults detected and separated, 7:13.
- tag used in marking migrating juveniles, 7:11.
- distribution of seaward-migrating, in Snake River above Lower Monumental Dam, 8:42.
- Tuna
- eastern tropical Atlantic, 1972
- participation by Panamanian and U.S. seiners, 3:10.
- exploratory longline fishing in the Caribbean and adjacent waters, 9:61.
- problems using live bait for catching aquaculture as a means of supplying baitfish, 5:9.
- artificial bait, 5:11.
- bait catching methods, 5:3.
- chumming, 5:6.
- holding and transport of bait, 5:4.
- new baits, 5:11.
- supply of bait, 5:7.
- types and characteristics of good baitfish, 5:1.
- Tuna, blackfin
- live bait and pole and line fishing explorations in the Caribbean, 9:31.
- troll fishing results in the Caribbean, 9:35.
- Tuna, little tunny
- live bait and pole and line fishing explorations in the Caribbean, 9:31.
- troll fishing results in the Caribbean, 9:35.
- Tuna, skipjack
- biology, 8:27.
- distribution, 8:26.
- eastern tropical Atlantic, 1972
- catch rates, 3:10.
- catches, 3:10.
- fishing areas, 3:10.
- sizes, 3:10.
- ecology, 8:27.
- fisheries, 8:26.
- harvesting, 8:31.
- Japanese fishery development in foreign areas, 12:12.
- live bait and pole and line fishing explorations in the Caribbean, 9:31.
- opportunities for the United States, 8:32.
- resource assessment, 8:28.
- Tuna, yellowfin
- eastern tropical Atlantic, 1972
- catch rates, 3:10.
- catches, 3:10.
- fishing areas, 3:10.
- sizes, 3:10.
- live bait and pole and line fishing explorations in the Caribbean, 9:31.
- Tuna, yellowfin (canned in brine)
- fatty acid composition, 2:11.
- Tuna, yellowfin (canned in oil)
- fatty acid composition, 2:11.
- Turf, plastic
- substitute for gravel in salmon incubators, 10:35.
- Ultrasonography
- using to measure blubber thickness of California gray whale, 4:15.
- Unar, M., "A review of the Indonesian shrimp fishery and its present developments," 1:21.
- "Using enzymes to make fish protein concentrates," by Malcolm B. Hale, 2:15.
- "Variable-mesh beach seine for sampling juvenile salmon in Columbia River estuary," by Carl W. Sims and Richard H. Johnsen, 2:23.
- "(A) vertical longline for red snapper fishing," by David A. Olsen, Arthur E. Dammann, and Don Neal, 1:7.
- Vessels
- Gulf of Mexico shrimp, 12:1.
- Wagner, Donald P., "Results of live bait and pole and line fishing explorations for pelagic fishes in the Caribbean," 9:31.
- , and Robert S. Wolf, "Results of troll fishing explorations in the Caribbean," 9:35.
- Wahrenbrock, Eric A.—see Smith and Wahrenbrock
- , Gary F. Maruschak, Robert Elsnor, and David W. Kenny, "Respiration and metabolism in two baleen whale calves," 4:3.
- Waters, Melvin E., "Home freezing of seafoods," 1:1.
- West Irian—see Sorong (West Irian)
- Whale, California gray
- aerial observations during 1973, 4:51.
- aerial observations of migrating, off southern California
- cow-calf groups, 4:47.
- migration peaks and offshore movements, 4:47.
- rates of movement, 4:48.
- yearlings, 4:48.
- behavioral interactions with other marine mammals, 4:50.
- capture and harnessing of young
- harness design, 4:61.
- study site, 4:59.
- tracking and harness recovery, 4:62.
- comparative physiology
- ballistocardiography as a technique for, 4:9.
- feeding
- anatomical interpretation, 4:37.
- behavioral observations, 4:33.
- fluorescent karyotype of, 4:25.
- hematologic observations
- alkali denaturation, 4:23.
- hemoglobin electrophoresis, 4:23.
- routine blood examination, 4:22.
- investigation of blubber thickness using ultrasonography, 4:15.
- respiration and metabolism in calves, 4:3.
- some coagulation factors in plasma, 4:24.
- some physiological parameters of the blood, 4:28.
- sounds produced by, 4:38.
- surgical attachment of telemetry device to yearling, 4:20.
- telemetry of temperature and depth data from
- data parameters, 4:53.
- data receiving system, 4:55.
- data transmission system, 4:53.
- Whiting
- fatty acid composition, 2:10.
- Wierbicki, Eugen—see King et al.
- Wolf, Robert S., "Minor miscellaneous exploratory/experimental fishing activities in the Caribbean and adjacent waters," 9:78.
- , and Geoffrey R. Chislett, "Trap fishing explorations for snapper and related species in the Caribbean and adjacent waters," 9:49.
- , and Warren F. Rathjen, "Exploratory fishing activities of the UNDP/FAO Caribbean Fishery Development Project, 1965-1971: A summary," 9:1.
- Yesaki, Mitsuo—see Chislett and Yesaki
- Young, James S., "Menhaden and power plants—a growing concern," 10:19.
- Zettner, Alfred, "Some hematologic observations on the California gray whale," 4:22.
- Zook, Elizabeth G.—see Bonnet et al.

## Marine Fisheries Review Paper Numbers, 1974

1026. "Home freezing of seafoods," Melvin E. Waters, 1:1-6.
1027. "A vertical longline for red snapper fishing," David A. Olsen, Arthur E. Dammann, and Don Neal, 1:7-9.
1028. "Aspects of the distribution and abundance of the long-finned squid, *Loligo pealeii*, between Cape Hatteras and Georges Bank," Fredric M. Serchuk and Warren F. Rathjen, 1:10-17.
1029. "Solubilized fish muscle as a food binding material," Frederick J. King, Fred Heiligman, and Eugen Wierbicki, 1:18-20.
1030. "A review of the Indonesian shrimp fishery and its present developments," M. Unar, 1:21-30.
1031. "Observations on distribution and abundance of red crabs in Norfolk Canyon and adjacent continental slope," Paul A. Haefner, Jr. and John A. Musick, 1:31-34.
1032. "Notes on the ecology of the oceanic insect *Halobates*," Lanna Cheng, 2:1-7.

1033. "Chemical and nutritive values of several fresh and canned finfish, crustaceans, and mollusks. Part II. Fatty acid composition," James C. Bonnet, Virginia D. Sidwell, and Elizabeth G. Zook, 2:8-14.
1034. "Using enzymes to make fish protein concentrates," Malcolm B. Hale, 2:15-18.
1035. "The Mexican marine sport fisheries," Aurelio Solórzano, 2:19-22.
1036. "Variable-mesh beach seine for sampling juvenile salmon in Columbia River estuary," Carl W. Sims and Richard H. Johnsen, 2:23-26.
1037. "Mushroom culture: A new potential for fishery products," John H. Green, 2:27-32.
1038. "Effect of draining method on the quality of fish stored in boxes," John A. Peters, Allan F. Bezanson, and John H. Green, 2:33-35.
1039. "Publications and services of the National Marine Fisheries Service," J. David Almand, 3:1-9.
1040. "Participation by Panamanian and U.S. seiners in 1972 tuna fishery of the eastern tropical Atlantic," Gary T. Sakagawa, 3:10-13.

1041. "Diversification means progress in the Gloucester fishing industry," Jon C. Rittgers, 3:14-17.
1042. "Marine recreational fishing in Alaska," Anonymous, 3:18-20.
1043. "Composition of the edible portion of raw (fresh or frozen) crustaceans, finfish, and mollusks. I. Protein, fat, moisture, ash, carbohydrate, energy value, and cholesterol," Virginia D. Sidwell, Pauline R. Foncannon, Nancy S. Moore, and James C. Bonnet, 3:21-35.
1044. "Fish meal: International market situation and the future," Jukka Kolhonen, 3:36-40.
1045. "Respiration and metabolism in two baleen whale calves," Eric A. Wahrenbrock, Gary F. Maruschak, Robert Elsner, and David W. Kenney, 4:3-8.
1046. "Ballistocardiography as a technique for comparative physiology," N. Ty Smith and Eric A. Wahrenbrock, 4:9-14.
1047. "Investigation of blubber thickness in a gray whale using ultrasonography," Michael P. Curran and William M. Asher, 4:15-20.
1048. "Surgical attachment of a telemetry device to the dorsal ridge of a yearling California gray whale, *Eschrichtius robustus*," John C. Sweeney and Joel L. Mattsson, 4:20-22.
1049. "Some hematologic observations on the California gray whale," Alfred Zettner, 4:22-24.
1050. "Some coagulation factors in plasma from a California gray whale, *Eschrichtius robustus*," W. Medway, 4:24-25.
1051. "Fluorescent karyotype of the California gray whale," Deborah A. Duffield, 4:25-28.
1052. "Some physiological parameters of the blood of the California gray whale," William G. Gilmartin, Richard W. Pierce, and George A. Antonelis, Jr., 4:28-31.
1053. "Feeding of a captive gray whale, *Eschrichtius robustus*," G. Carleton Ray and William E. Schevill, 4:31-38.
1054. "Sounds produced by the gray whale, *Eschrichtius robustus*," James F. Fish, James L. Sumich, and George L. Lingle, 4:38-45.
1055. "Aerial observations of migrating gray whales, *Eschrichtius robustus*, off southern California, 1969-72," J. S. Leatherwood, 4:45-49.
1056. "A note on gray whale behavioral interactions with other marine mammals," J. S. Leatherwood, 4:50-51.
1057. "Aerial observations of gray whales during 1973," Paul N. Sund and John L. O'Connor, 4:51-52.
1058. "Telemetering of temperature and depth data from a free ranging yearling California gray whale, *Eschrichtius robustus*," W. E. Evans, 4:52-58.
1059. "Capture and harnessing of young California gray whales, *Eschrichtius robustus*," Kenneth S. Norris and Roger L. Gentry, 4:58-64.
1060. "Some considerations of the problems associated with the use of live bait for catching tunas in the tropical Pacific Ocean," Frank J. Hester, 5:1-12.
1061. "Polyethylene trays for flounder filets," Daniel W. Baker II, John A. Peters, and Allan F. Bezanson, 5:13-14.
1062. "Reduction of mercury in sablefish (*Anoplopoma fimbria*) and the use of the treated flesh in smoked products," F. M. Teeny, Alice S. Hall, and E. J. Gauglitz, Jr., 5:15-19.
1063. "Salmon—future harvest from the Antarctic Ocean?" Timothy Joyner, Conrad V. W. Mahnken, and Robert C. Clark, Jr., 5:20-28.
1064. "Ocean pout parasites," Daniel J. Sheehy, Michael P. Sissenwine, and Saul B. Salla, 5:29-33.
1065. "A report on the National Marine Fisheries Service comminuted fish cake survey," Bruce C. Morehead, 5:34-37.
1066. "Some ABC's of fo'e'sle living," A. K. Larssen and Sig Jaeger, 6:1-38.
1067. "Marking fishes and invertebrates. I. State of the art of fish branding," Howard L. Raymond, 7:1-6.
1068. "Marking fishes and invertebrates. II. Brand size and configuration in relation to long-term retention on steelhead trout and chinook salmon," Donn L. Park and Wesley J. Ebel, 7:7-9.
1069. "Marking fishes and invertebrates. III. Coded wire tags useful in automatic recovery of chinook salmon and steelhead trout," Wesley J. Ebel, 7:10-13.
1070. "Marking fishes and invertebrates. IV. A nonpermanent tag for king crabs, *Paralithodes camtschatica*, and tanner crabs, *Chionoecetes bairdi*," Robert M. Meyer, 7:14-16.
1071. "A survey of giant clams, Tridacnidae, on Helen Reef, a western Pacific atoll," Frank J. Hester and Everet C. Jones, 7:17-22.
1072. "Color changes in the ovaries of penaeid shrimp as a determinant of their maturity," Aubson Brown, Jr. and Daniel Patlan, 7:23-26.
1073. "The bay scallop makes its bed of seagrass," Gordon W. Thayer and Harvey H. Stuart, 7:27-30.
1074. "Effects of Prudhoe Bay crude oil on molting tanner crabs, *Chionoecetes bairdi*," John F. Karinen and Stanley D. Rice, 7:31-37.
1075. "Soviet fisheries: A review," T. S. Sealy, 8:5-22.
1076. "Japan's frozen shrimp imports: 1973," William B. Folsom, 8:23-25.
1077. "The skipjack tuna, *Katsuwonus pelamis*, an underutilized resource," Walter M. Matsumoto, 8:26-33.
1078. "Minced fish in a new form," Joseph M. Mendelsohn, 8:34-36.
1079. "Controlling bone particle content in minced fish muscle," Max Patashnik, David Miyauchi, and George Kudo, 8:37-38.
1080. "Seabed drifters used to study bottom currents off Kodiak Island," W. James Ingraham, Jr. and James R. Hastings, 8:39-41.
1081. "Distribution of seaward-migrating chinook salmon and steelhead trout in the Snake River above Lower Monumental Dam," Jim Ross Smith, 8:42-45.
1082. "Exploratory fishing activities of the UNDP/FAO Caribbean Fishery Development Project, 1965-1971: A summary," Robert S. Wolf and Warren F. Rathjen, 9:1-8.
1083. "Handline and longline fishing explorations for snapper and related species in the Caribbean and adjacent waters," Kyotaro Kawaguchi, 9:8-31.
1084. "Results of live bait and pole and line fishing explorations for pelagic fishes in the Caribbean," Donald P. Wagner, 9:31-35.
1085. "Results of troll fishing explorations in the Caribbean," Donald P. Wagner and Robert S. Wolf, 9:35-43.
1086. "Spiny lobster fishing explorations in the Caribbean," Geoffrey R. Chislett and Mitsuo Yesaki, 9:43-48.
1087. "Trap fishing explorations for snapper and related species in the Caribbean and adjacent waters," Robert S. Wolf and Geoffrey R. Chislett, 9:49-61.
1088. "Exploratory tuna longline fishing in the Caribbean and adjacent waters," Kyotaro Kawaguchi, 9:61-66.
1089. "Results of experimental and exploratory shark fishing off northeastern South America," L. J. K. Kleijn, 9:67-77.
1090. "Minor miscellaneous exploratory/experimental fishing activities in the Caribbean and adjacent waters," Robert S. Wolf, 9:78-87.
1091. "Development of the pelagic red crab (*Galatheaidae, Pleuroncodes planipes*) fishery in the eastern Pacific Ocean," Susumu Kato, 10:1-9.
1092. "Introducing new products into seafood markets," Morton Miller, 10:10-13.
1093. "The recreational fishery on three piers near St. Petersburg, Florida during 1971," William A. Fable, Jr. and Carl H. Saloman, 10:14-18.
1094. "Menhaden and power plants—a growing concern," James S. Young, 10:19-23.
1095. "Deepwater shrimp trapping in the Hawaiian Islands," Paul Struhsaker and Donald C. Aasted, 10:24-30.
1096. "Attitudinal and demographic characteristics for regular and irregular users of fresh finfish," Peter M. Sanchez and Leonard J. Konopa, 10:31-34.
1097. "Plastic turf substitute for gravel in salmon incubators," Jack E. Bailey and Sidney G. Taylor, 10:35-38.
1098. "Fisheries of the Republic of Korea," William B. Folsom, 11:1-19.
1099. "Thermal bleaching of red algal pigment in shucked oysters," V. G. Burrell, Jr., 11:19-22.
1100. "New England Fisheries Development Program," Warren F. Rathjen, 11:23-30.
1101. "Riddle of Bering Sea soundings resolved," Felix Favorite, 11:30-32.
1102. "Effects of artificial reefs on a marine sport fishery off South Carolina," Chester C. Buchanan, Richard B. Stone, and R. O. Parker, Jr., 11:32-38.
1103. "Economics of Gulf of Mexico industrial and foodfish trawlers," Rolf Juhl, 11:39-42.
1104. "Estimated costs, returns, and financial analysis: Gulf of Mexico shrimp vessels," Wade L. Griffin, Ronald D. Laceywell, and Wayne A. Hayenga, 12:1-4.
1105. "Puget Sound drum seining," William L. High, 12:5-11.
1106. "Japanese skipjack tuna fishery development in foreign areas (Katsuo Kaihatsu—Kaiga Katsuzuri Gyo-gyo)," Anonymous, 12:12-17.
1107. "Some marketing considerations with respect to minced fish products," Joshua John, 12:18-20.
1108. "Names of fishes," Daniel M. Cohen, 12:21-23.
1109. "The potential for an offshore squid fishery in New England," F. E. Lux, W. D. Handwork, and W. F. Rathjen, 12:24-27.
1110. "Squid—its potential and status as a U.S. food resource," Vincent G. Ampola, 12:28-32.

